





Full name of third inventor

Robert M. Peistrig



3/19/99

Inventor's signature:

Date:

Residence:

Santa Cruz, California

Citizenship:

U.S.A.

Post Office Address:

127 De La Costa Avenue

Santa Cruz, California 95060

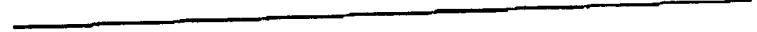
Full name of fourth inventor

Alain Cassat

Inventor's signature:



Date:



Residence:

Pully, Switzerland

Citizenship:

Switzerland

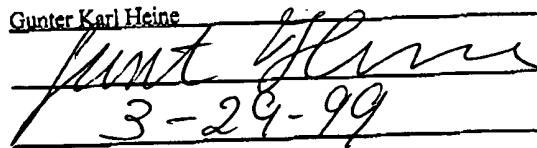
Post Office Address:

Fontanettaz 13

1009 Pully, Switzerland

Full name of fifth inventor

Gunter Karl Heine

  
3-29-99

Inventor's signature:

Date:

Residence:

Aptos, California

Citizenship:

Germany

Post Office Address:

143 Driftwood Court

Aptos, California 95003

**DECLARATION FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled METHOD TO REDUCE TORQUE RELATED AUDIBLE NOISE FOR SPINDLE MOTOR, the specification of which:

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**Primary Function: Application(s)**

Priority Claimed

Number      Country

(Day/Month/Year Filed)

Yes      No

(Number)      (Country)

(Day/Month/Year Filed)

Yes      No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/158,641 September 22, 1998  
(Application Serial No.) (Filing Date)

Abandoned

(Status)

08/893,626      July 11, 1997  
(Application Serial No.)      (Filing Date)

### Abandoned

(Status)

(Application Serial No.) (Filing Date)

(Status)  
(patented, pending, abandoned)

Direct all telephone calls to James J. Sheridan at (415) 781-1989.

Address all correspondence to:

FLEHR HOHBACH TEST  
ALBRITTON & HERBERT LLP  
Suite 3400, Four Embarcadero Center  
San Francisco, California 94111

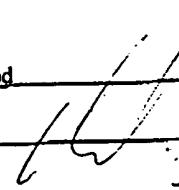
File No. A-59709-2/JAS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor

Donald J. MacLeod

Inventor's signature:

  
3/19/99

Date:

Residence:

Santa Cruz, California

Citizenship:

United Kingdom

Post Office Address:

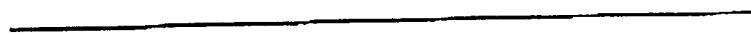
158 Waugh Avenue

Santa Cruz, California 95065

Full name of second inventor

Greg Zariphopoulos

Inventor's signature:



Date:



Residence:

Redwood City, California

Citizenship:

Greece

Post Office Address:

463 Jeter Street

Redwood City, California



**DECLARATION FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD TO REDUCE TORQUE RELATED AUDIBLE NOISE FOR SPINDLE MOTOR**, the specification of which:

(check one)  is attached hereto.  
 was filed on November 23, 1998 as  
Application Serial No. 09/198,047  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)      (Country)      (Day/Month/Year Filed)

□

(Number)      (Country)      (Day/Month/Year Filed)

Yes No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/158,641 September 22, 1998  
(Application Serial No.) (Filing Date)

Abandoned  
(Status)  
(patented, pending, abandoned)

08/893,626 July 11, 1997  
(Application Serial No.) (Filing Date)

Abandoned  
(Status)  
(patented pending abandoned)

(Application Serial No.)        (Filing Date)

(Status)  
(patented, pending, abandoned)

Direct all telephone calls to James A. Sheridan at (415) 781-1989.  
Address all correspondence to:

FLEHR HOHBACH TEST  
ALBRITTON & HERBERT LLP  
Suite 3400, Four Embarcadero Center  
San Francisco, California 94111

File No. A-59709-2/JAS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Donald J. MacLeod

Inventor's signature: 

Date: 

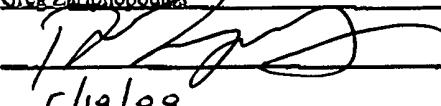
Residence: Santa Cruz, California

Citizenship: United Kingdom

Post Office Address: 158 Waugh Avenue

Santa Cruz, California 95065

Full name of second inventor Greg Zariphopoulos



Date: 5/19/99

Residence: Evanston, Illinois

Citizenship: Greece

Post Office Address: 1725 Orrington Avenue, Apt. #730-2

Evanston, Illinois 60201

Full name of third inventor Robert M. Peistrig

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Santa Cruz, California

Citizenship: U.S.A.

Post Office Address: 127 De La Costa Avenue

Santa Cruz, California 95060

Full name of fourth inventor Alain Cassat

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Pully, Switzerland

Citizenship: Switzerland

Post Office Address: Fontanettaz 13

1009 Pully, Switzerland

Full name of fifth inventor Gunter Karl Heine

Inventor's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Residence: Aptos, California

Citizenship: Germany

Post Office Address: 143 Driftwood Court

Aptos, California 95003

A-59709-2, JAS



**UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231**

OCTOBER 21, 1999

PTAS

FLEHR HOHBACH TEST ALBRITTON & HERBERT  
JAMES A. SHERIDAN  
FOUR EMBARCADERO CENTER, SUITE 3400  
SAN FRANCISCO, CA 94111-4187



\*101124915A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

JC857 U.S. PRO  
09/631438  
08/02/00

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/19/1999

REEL/FRAME: 010176/0451  
NUMBER OF PAGES: 9

ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

DOC. DATE: 03/19/1999

ASSIGNOR:  
BELSTRING ROBERT M

DOC. DATE: 03/19/1999

ASSIGNOR:  
CASSAT ALAIN

DOC. DATE: 04/02/1999

ASSIGNOR:  
HEINE GUNTER K.

DOC. DATE: 04/02/1999

ASSIGNEE:  
SEAGATE TECHNOLOGY, INC.  
920 DISC DRIVE  
SCOTTS VALLEY, CALIFORNIA 95066

SERIAL NUMBER: 09198047  
PATENT NUMBER:

SEDLEY PYNE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

08-24-1999

IRM PTO-1595

MFD

8-19-99



101124915

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

HEET

Attorney Docket No. A-59709-2/JAS

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying parties:

Donald J. MacLeod; Robert M. Pelstring; Alain Cassat;  
Gunter K. HeineAdditional name(s) of conveying party(ies) attached?  Yes  No

## 3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

Other: \_\_\_\_\_

Execution Date: 03/19/99; 03/29/99; 04/2/99

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/198,047 filed 11/23/98

B. Patent No.(s)

Additional numbers attached?  Yes  No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Sheridan

Address: Flehr Hohbach Test Albritton &amp; Herbert LLP

Four Embarcadero Center, Suite 3400

San Francisco, CA 94111-4187

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

 Enclosed Authorized to be charged to deposit account, if necessary

8. Deposit account number:

06-1300 (Order No. A-59709-2/JAS)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

R. Michael Ananian, Reg. No. 35,050  
Name of Person Signing

Signature

August 16, 1999

Date

Total number of pages including cover sheet: 11

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Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

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Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, Pk2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

01 FC 581

Docket No. A-59709-2/JAS

## ASSIGNMENT

WHEREAS we, DONALD J. MACLEOD, residing at 158 Waugh Avenue, Santa Cruz, California 95065; GREG ZARIPHOPOULOS, residing at 463 Jeter Street, Redwood City, California; ROBERT M. PELSTRING, residing at 127 De La Costa Avenue, Santa Cruz, California 95060; ALAIN CASSAT, residing at Fontanettaz 13, 1009 Pully, Switzerland; GUNTER KARL HEINE, residing at 143 Driftwood Court, Aptos, California 95003, invented certain new and useful improvements in *METHOD TO REDUCE TORQUE RELATED AUDIBLE NOISE FOR SPINDLE MOTOR*, for which invention we have executed an application for Letters Patent of the United States.

Whereas, Seagate Technology, Inc. a corporation of the State of Delaware, having a place of business at 920 Disc Drive, Scotts Valley, CA 95066, State of California, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for and in consideration of One Dollar and other good and valuable considerations, to me in hand paid, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned, and set over and by these presents do hereby sell, assign, and set over unto the said Seagate Technology, Inc. and said assignee's legal representatives, successors and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned assignee agreeably with the terms of this assignment.

I hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

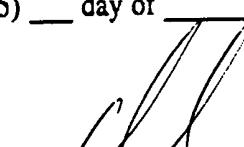
Upon said consideration, I convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional renewal, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in

enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this

(1) 1<sup>st</sup> day of March, 1999  
 (2)    day of   , 1999  
 (3)    day of   , 1999

(4)    day of   , 1999  
 (5)    day of   , 1999

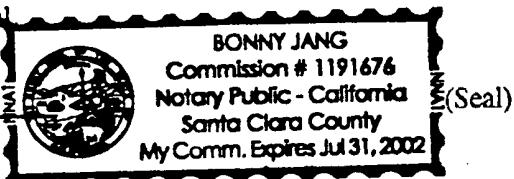
  
 Donald L. MacLeod

State of California )  
 ) ss.  
 County of Santa Cruz )

On this 19<sup>th</sup> day of March, in the year 1999, before me, Bonny Jang, Notary Public of the State of California in the County of Santa Clara, personally appeared Donald L. MacLeod, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Bonny Jang



  
 Greg Zariphopoulos

State of California )  
 ) ss.  
 County of    )

On this    day of   , in the year 1999, before me,   , Notary Public of the State of California in the County of   , personally appeared Greg Zariphopoulos, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed

the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**Signature** \_\_\_\_\_

(Seal)

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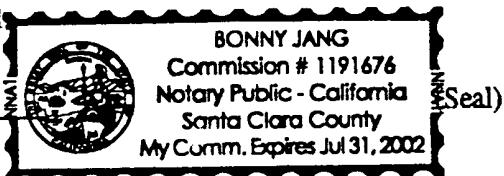
Robert M. Pelstring

State of California )  
 ) ss.  
County of Santa Cruz )

On this 19<sup>th</sup> day of March, in the year 1999, before me, Bonny Jang, Notary Public of the State of California in the County of Santa Clara, personally appeared Robert M. Pelstring, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal:

Signature Jerry Dene



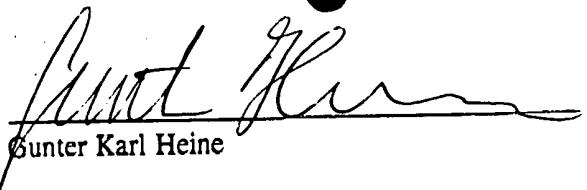
Alain Cassat

\_\_\_\_\_ )  
 ) ss.  
 )

WITNESS my hand and official seal.

**Signature** \_\_\_\_\_

(Seal)

  
Gunter Karl Heine

State of California )  
) ss.  
County of Santa Cruz )

On this 24<sup>th</sup> day of March, in the year 1999, before me, Demetrios Mavrikis, Notary Public of the State of California in the County of Santa Cruz, personally appeared Gunter Karl Heine, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Demetrios N. Mavrikis

(Seal)



ASSIGNMENT

WHEREAS we, DONALD J. MACLEOD, residing at 158 Waugh Avenue, Santa Cruz, California 95065; GREG ZARIPHOPOULOS, residing at 463 Jeter Street, Redwood City, California; ROBERT M. PELSTRING, residing at 127 De La Costa Avenue, Santa Cruz, California 95060; ALAIN CASSAT, residing at Fontanettaz 13, 1009 Pully, Switzerland; GUNTER KARL HEINE, residing at 143 Driftwood Court, Aptos, California 95003, invented certain new and useful improvements in **METHOD TO REDUCE TORQUE RELATED AUDIBLE NOISE FOR SPINDLE MOTOR**, for which invention we have executed an application for Letters Patent of the United States.

Whereas, Seagate Technology, Inc. a corporation of the State of Delaware, having a place of business at 920 Disc Drive, Scotts Valley, CA 95066, State of California, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for and in consideration of One Dollar and other good and valuable considerations, to me in hand paid, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned, and set over and by these presents do hereby sell, assign, and set over unto the said Seagate Technology, Inc. and said assignee's legal representatives, successors and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned assignee agreeably with the terms of this assignment.

I hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, I convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional renewal, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in

enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this

(1) 1<sup>st</sup> day of March, 1999  
(2)    day of   , 1999  
(3)    day of   , 1999

(4)    day of   , 1999  
(5)    day of   , 1999

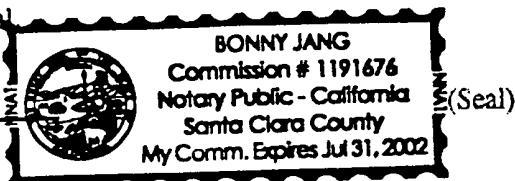
  
Donald G. MacLeod

State of California )  
                      )  
                      ) ss.  
County of Santa Cruz )

On this 19<sup>th</sup> day of March, in the year 1999, before me, Bonny Jang, Notary Public of the State of California in the County of Santa Clara, personally appeared Donald G. MacLeod, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Signature Bonny Jang



  
Greg Zariphopoulos

State of California )  
                      )  
                      ) ss.  
County of    )

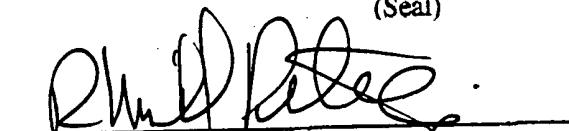
On this    day of   , in the year 1999, before me,   , Notary Public of the State of California in the County of   , personally appeared Greg Zariphopoulos, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed

the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

(Seal)



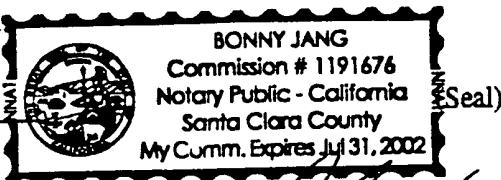
Robert M. Pelstring

State of California )  
) ss.  
County of Santa Cruz )

On this 19<sup>th</sup> day of March, in the year 1999, before me, Bonny Jang, Notary Public of the State of California in the County of Santa Clara, personally appeared Robert M. Pelstring, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Jenny Jang



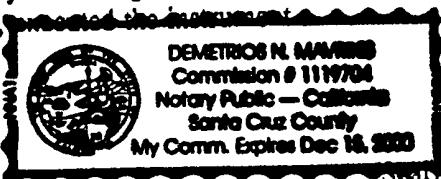
Alain Cassat

State of California )  
) ss.  
County of Santa Cruz )

On this 2nd day of April, in the year 1999, before me, Demetrios N. Mavrikis, Notary Public of the State of California in the County of Santa Cruz, personally appeared Alain Cassat, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Demetrios N. Mavrikis



Gunter Karl Heine

State of California      )  
                            )  
                            ) ss.  
County of \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, in the year 1999, before me, \_\_\_\_\_, Notary Public of the State of California in the County of \_\_\_\_\_, personally appeared Gunter Karl Heine, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

(Seal)

A-59709-2 / JAS



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ASSIGNOR:  
ZARIPHOPOULOS, GREG

DOC DATE: 05/19/1999

ASSIGNEE:  
SEAGATE TECHNOLOGY, INC.  
920 DISC DRIVE  
SCOTTS VALLEY, CALIFORNIA 95066

SERIAL NUMBER: 09198047  
PATENT NUMBER:

FILING DATE: 11/23/1998  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
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PATENTS



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thereof.

1. Name of conveying party(ies):

GREG ZARIPHOPOULOS

Additional name(s) of conveying  
party(ies) attached?  Yes  No

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: May 19, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

09/198,047 filed 23 November 1998

B. Patent No.(s)

Additional numbers attached?  Yes  No5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: James A. Sheridan

Internal Address: FLEHR HOHBACH TEST  
ALBRITTON & HERBERT LLP

Street Address: SUITE 3400

FOUR EMBARCADERO CENTER

City: SAN FRANCISCO

State: CA Zip: 94111-4187

6. Total number of applications  
and patents involved: [1]

7. Total fee (37 CFR 3.41): ..... \$40.00

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 Authorized to be charged to  
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8. Deposit account number: 06-1300  
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To the best of my knowledge and belief, the foregoing information is true and correct  
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James A. Sheridan

Name of Person Signing

Signature

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08/02/00

Docket No. A-59709-2/JAS

## ASSIGNMENT

WHEREAS we, DONALD J. MACLEOD, residing at 158 Waugh Avenue, Santa Cruz, California 95065; GREG ZARIPHOPOULOS, residing at 1725 Orrington Avenue, Apt. #730-2, Evanston, Illinois 60201; ROBERT M. PELSTRING, residing at 127 De La Costa Avenue, Santa Cruz, California 95060; ALAIN CASSAT, residing at Fontanettaz 13, 1009 Pully, Switzerland; GUNTER KARL HEINE, residing at 143 Driftwood Court, Aptos, California 95003, invented certain new and useful improvements in **METHOD TO REDUCE TORQUE RELATED AUDIBLE NOISE FOR SPINDLE MOTOR**, for which invention we have executed an application for Letters Patent of the United States.

Whereas, Seagate Technology, Inc. a corporation of the State of Delaware, having a place of business at 920 Disc Drive, Scotts Valley, CA 95066, State of California, (hereinafter referred to as assignee) is desirous of acquiring the entire right, title, and interest in and to said invention, said application and the Letters Patent to be obtained therefor;

Now, therefore, for and in consideration of One Dollar and other good and valuable considerations, to me in hand paid, the receipt and sufficiency whereof are hereby acknowledged, I have sold, assigned, and set over and by these presents do hereby sell, assign, and set over unto the said Seagate Technology, Inc. and said assignee's legal representatives, successors and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned assignee agreeably with the terms of this assignment.

I hereby authorize the above-mentioned assignee or its legal representative to insert in this instrument the filing date and serial number of our said application or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Upon said consideration, I convey to said assignee the right to make application in its own behalf for protection of said invention in countries foreign to the United States and where expedient to claim under the International Convention or other international arrangement for any such application the date of the said United States application (or other application if any there be) in priority to other applications; and I do hereby covenant and agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that we will at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional renewal, reissued or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in

enforcing any rights or chose in action accruing as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee this

(1)        day of       , 1999      (4)        day of       , 1999  
 (2)        day of       , 1999      (5)        day of       , 1999  
 (3)        day of       , 1999

Donald J. MacLeod

State of California      )  
                             ) ss.  
 County of             )

On this        day of       , in the year 1999, before me,       , Notary Public of the State of California in the County of       , personally appeared Donald J. MacLeod, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature:       

(Seal)



Greg Zariphopoulos

State of California      )  
                             ) ss.  
 County of COOK      )

On this 19 day of MAY, in the year 1999, before me, TOVAT'S CHRISTY, Notary Public of the State of California in the County of COOK, personally appeared Greg Zariphopoulos, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed

the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**Signature**

James Clark



Robert M. Pelstring

State of California )  
 ) ss.  
County of \_\_\_\_\_ )

On this    day of                   , in the year 1999, before me,                           ,  
Notary Public of the State of California in the County of                   , personally appeared Robert  
M. Pelstring, personally known to me (or proved to me on the basis of satisfactory evidence) to be  
the person whose name is subscribed to the within instrument, and acknowledged that he/she executed  
the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person,  
or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**Signature** \_\_\_\_\_

(Seal)

Alain Cassat

\_\_\_\_\_)  
\_\_\_\_\_) ss.  
\_\_\_\_\_)

WITNESS my hand and official seal.

**Signature** \_\_\_\_\_

(Seal)

---

Gunter Karl Heine

State of California      ).  
                            ) ss.  
County of \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, in the year 1999, before me, \_\_\_\_\_, Notary Public of the State of California in the County of \_\_\_\_\_, personally appeared Gunter Karl Heine, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

(Seal)